

IN THE CLAIMS:

Claims 1-19. (Canceled)

Claim 20. (Currently amended) An apparatus comprising an inflatable vehicle occupant protection device and a gas generating material that, when ignited produces gas to inflate the inflatable vehicle occupant protection device, the gas generating material comprising:

an inorganic oxidizer salt; and

a thermoplastic elastomer, said thermoplastic elastomer consisting essentially of a polyurethane formed from aromatic diisocyanate, hydroxyl terminated glycidyl azide polymer with a hydroxyl functionality of two or less, and ~~optionally~~ 2,4-pentanediol, wherein the amount of aromatic diisocyanate, hydroxyl terminated glycidyl azide polymer, and 2,4-pentanediol used to form the polyurethane are controlled so that the ratio of isocyanate groups to hydroxyl groups used to form the polyurethane is about 1.

Claim 21. (Canceled)

Claim 22. (Original) The apparatus of claim 20 wherein the aromatic diisocyanate is 4,4'-methylene bis-phenylisocyanate.

Claim 23. (Canceled)

Claim 24. (Previously presented) The apparatus of claim 20 wherein the hydroxyl terminated glycidyl azide polymer has a molecular weight from about 25,000 g/mole to about 35,000 g/mole and a hydroxyl functionality of 2.

Claim 25. (Original) The apparatus of claim 20 wherein the inorganic salt oxidizer is selected from the group consisting of alkali metal nitrates, alkaline earth metal nitrate, alkali metal perchlorates, alkaline earth metal perchlorates, ammonium perchlorate, and ammonium nitrate.

Claim 26. (Original) The apparatus of claim 20 wherein the inorganic salt oxidizer is phase stabilized ammonium nitrate.

Claim 27. (Original) The apparatus of claim 20 wherein the gas generating material further comprises a supplemental fuel.

Claim 28. (Original) The apparatus of claim 27 wherein the supplemental fuel is cyclotrimethylenetrinitramine.

Claim 29. (Original) The apparatus of claim 20 wherein the components of the gas generating material are present in a weight ratio adjusted to produce upon combustion a reaction gas product that consists essentially of carbon dioxide, nitrogen, and water.

Claims 30-34. (Cancelled)

Claim 35. (Currently amended) An apparatus comprising an inflatable vehicle occupant protection device and a gas generating material that, when ignited produces gas to inflate the inflatable vehicle occupant protection device, the gas generating material comprising:

about 65% to about 90%, by weight of the gas generating material, an inorganic oxidizer salt; and

about 5% to about 35%, by weight of the gas generating material a thermoplastic elastomer, said thermoplastic elastomer being a polyurethane formed from 4,4'-methylene bis-phenylisocyanate, a hydroxyl terminated glycidyl azide polymer with a hydroxyl functionality of two or less, and ~~optionally~~ 2,4 pentanediol, wherein the amount of 4,4'-methylene bis-phenylisocyanate, hydroxyl terminated glycidyl azide polymer, and 2,4-pantanediol used to form the polyurethane are controlled so that the ratio of isocyanate groups to hydroxyl groups used to form the polyurethane is about 1.

Claims 36-37. (Cancelled)